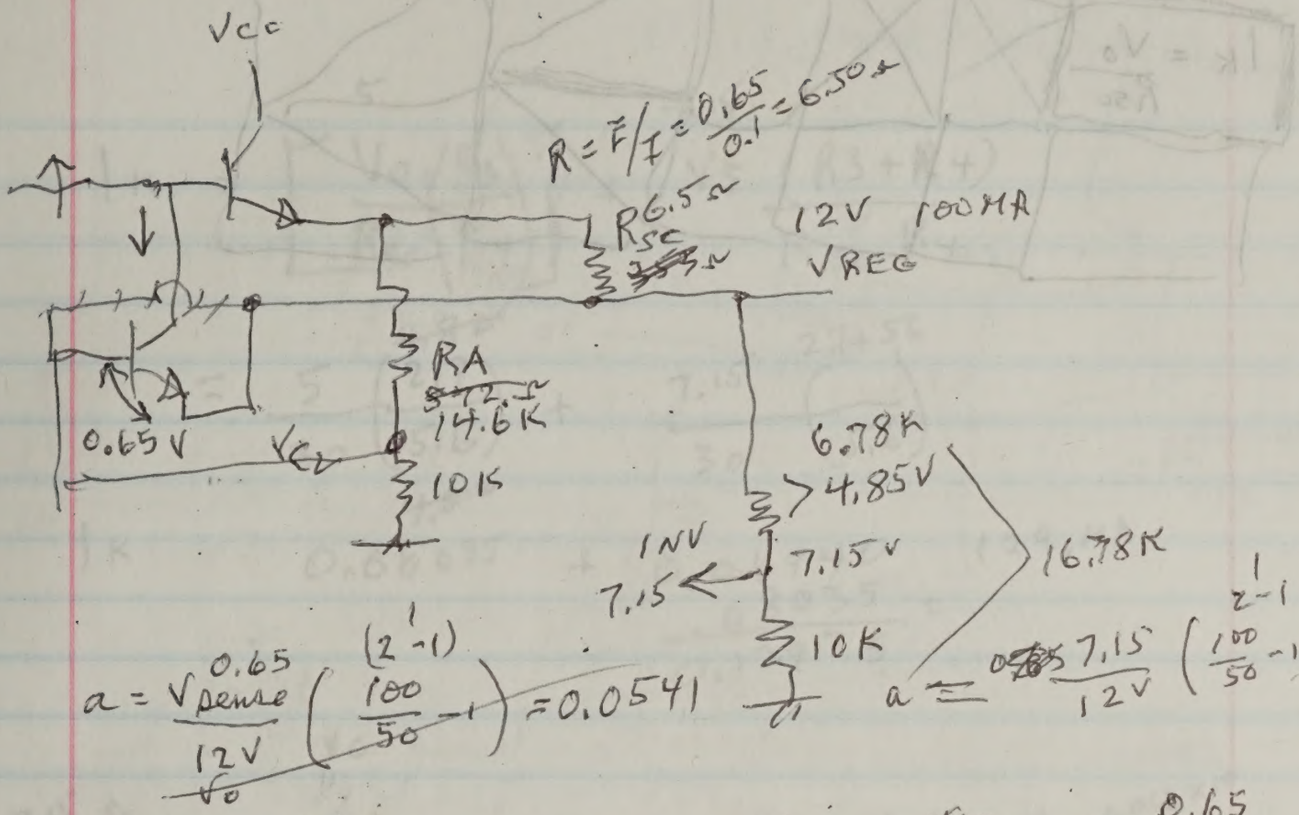


$$a = \frac{V_{DENOM}}{12V}\left(\frac{100}{50}^{\frac{1}{2}} - 1\right) = 0.0541$$

$$a = \frac{7.15}{12V}\left(\frac{100}{50}^{\frac{1}{2}} - 1\right) = .595$$

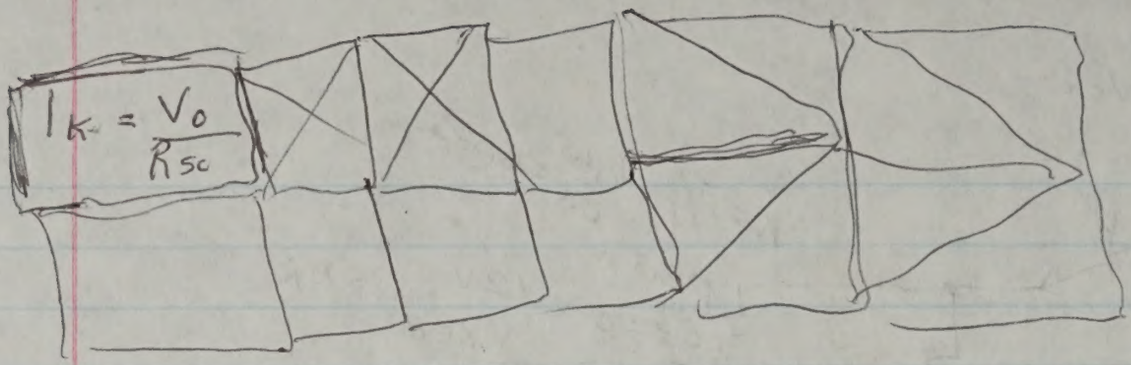
$$R_A = \frac{.0541}{.9458} \cdot 10K = 572\Omega$$

$$R_{SC} = \frac{V_{DENOM}}{(1-a)\,I_{SC}} = \frac{0.65}{}$$

$$R_A = \frac{0.595}{(1-.595)} \cdot 10K = 14.61K$$

$$R_{SC} = \frac{7.15}{(1-.595)\cdot I_{SC}} = 353\Omega$$

I_L	R_{SC} DROP	I_O	V_B V_{C-E} V_{CL}	V_O
0	0	12-0 12	4.87	12
50MA	4.76	~~+0.24~~	4.16	12
~~100MA~~			V_B	
50 ~~50MA~~	3.25	12.325	5.0	12
100	(0.65)	12.65	5.14	12−5.14 = 6.86


$I_K = \frac{V_0}{R_{SC}}$

$$I_K = \left[\frac{V_O(R_3)}{R_{SC}(R_4)}\right] + \frac{V_S(R_3+R_4)}{R_{SC}R_4}$$

$$= \frac{5}{30}\left(\frac{2.7}{5.6}\right) + \frac{7.15}{30}\left(\frac{2.7+5.6}{5.6}\right)$$

I_K 0,08035 + 0,04940 = 129,MA

,08035
0,12975

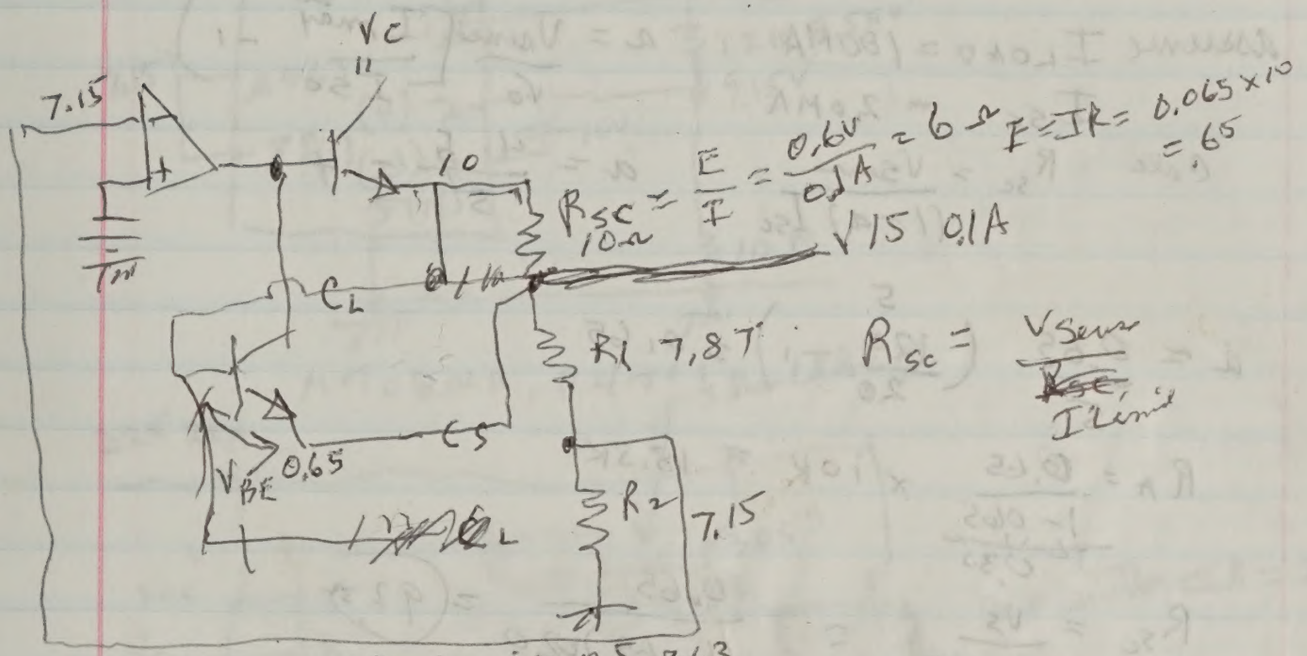
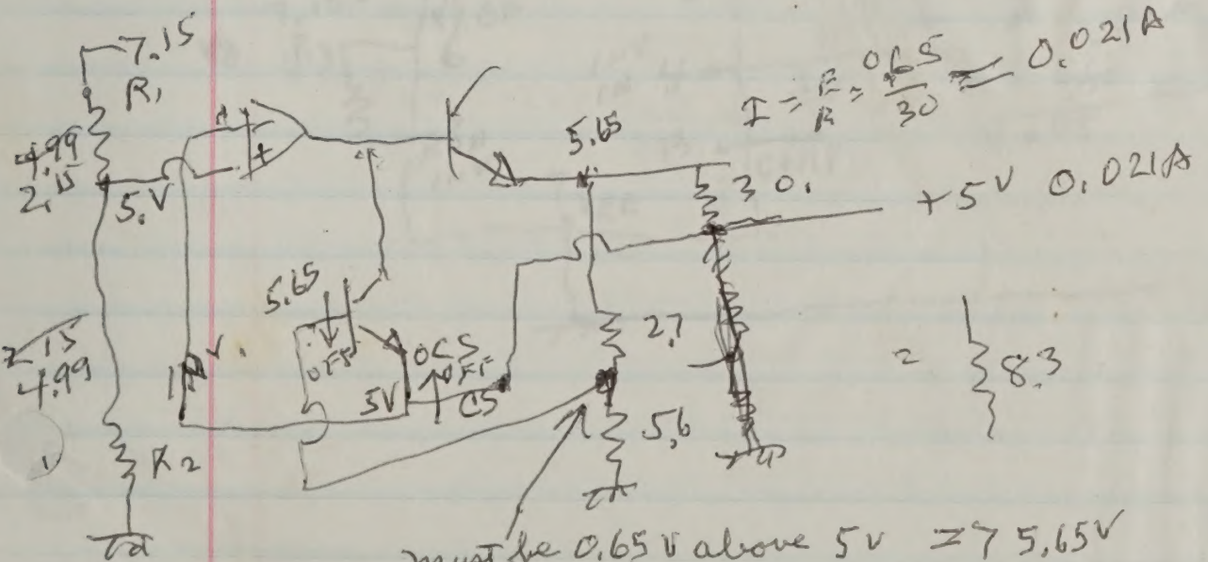
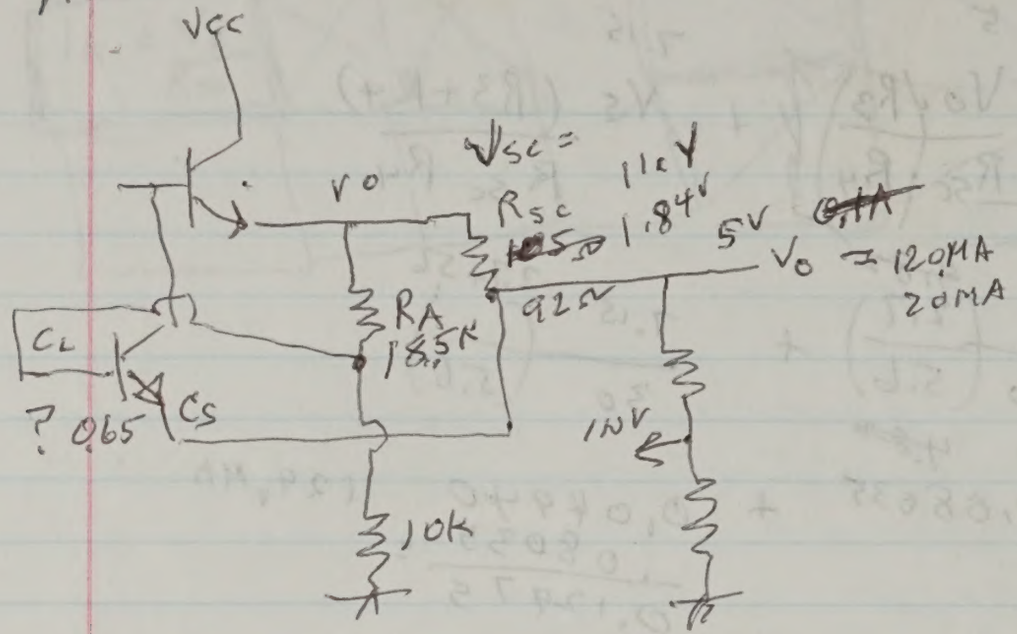


Fig (4) Intersil p 5-263



Motorola Fold back Fig 19



assume $I_{LOAD} = 100MA$

$I_{sc} = 20MA$

Calc $R_{sc} = \frac{V_{Sense}}{(1-a) I_{sc}}$

$a = \frac{V_{sense}}{V_o}\left[\frac{I_{max}}{I_{sc}} - 1\right)$

$a = \frac{4.5}{5} = 4$

$a = \frac{0.65}{5}\left(\frac{120}{20} - 1\right) = 0.65$

$R_A = \frac{0.65}{1-0.65} \times 10K = 18.5K$

0.35

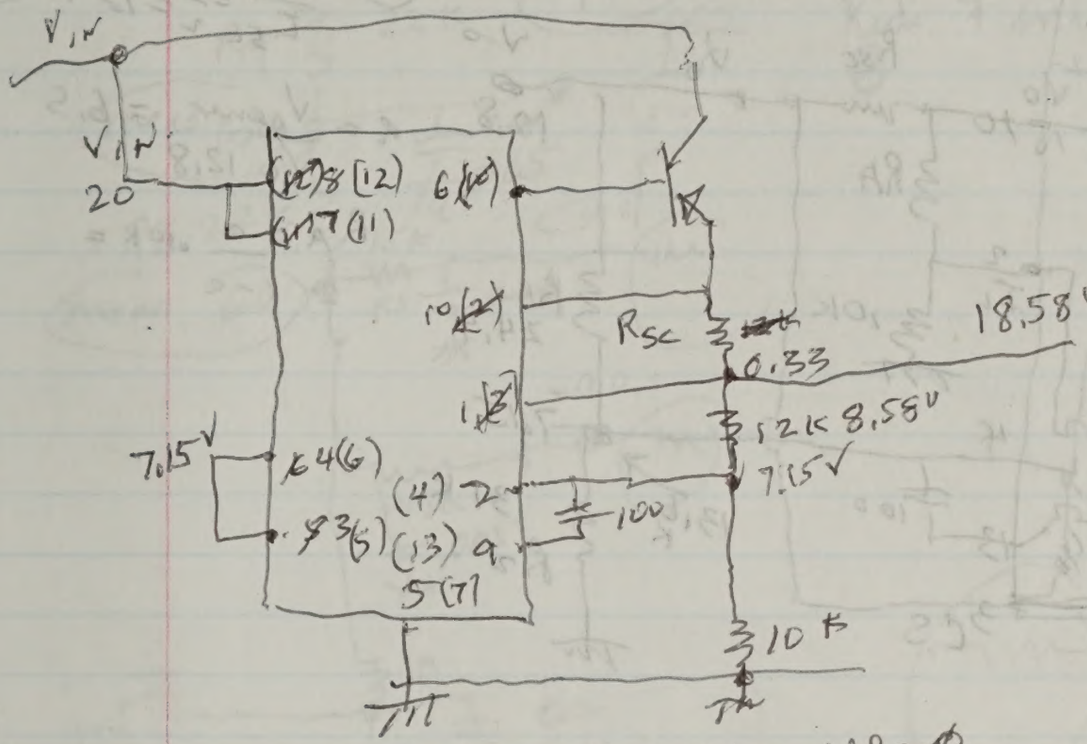
$R_{sc} = \frac{V_S}{(1-a) I_{sc}} = \frac{0.65}{(1-.65)\,.020} = 92.5$

0.35

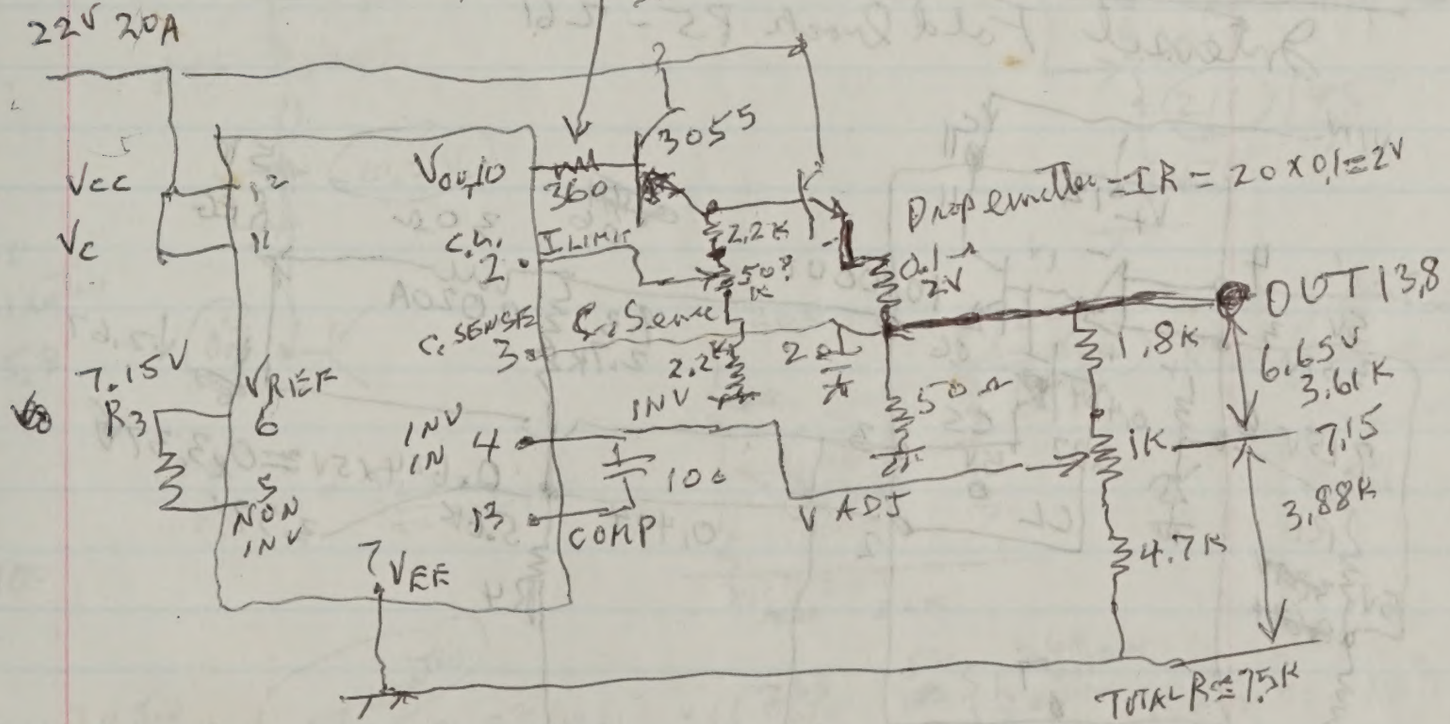
K4JCR

Power Supply

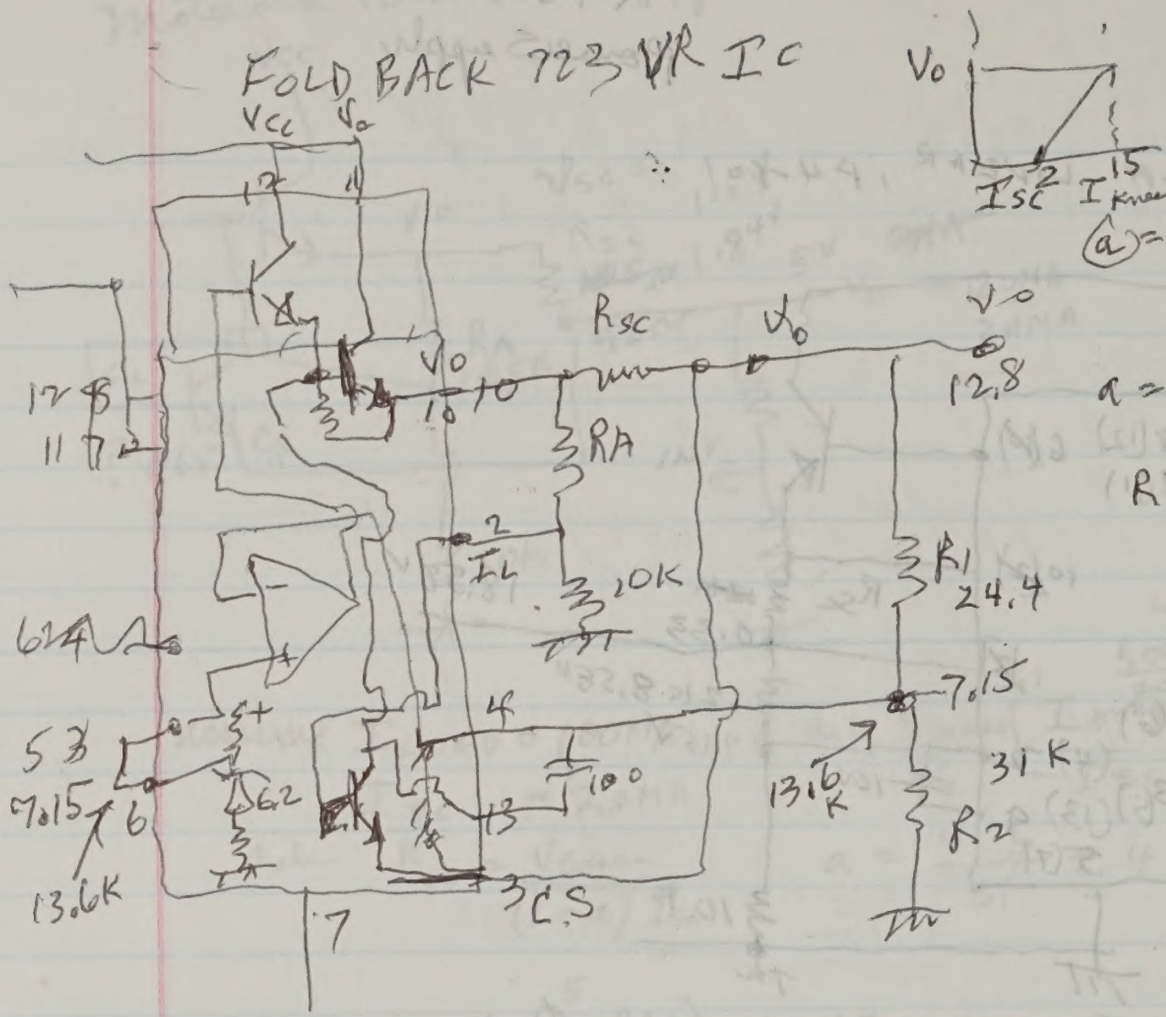
MOTOROLA LINEAR, P4-101



MOTOROLA, P4-101 should be Ø.



FOLD BACK 723 VR IC



$a = \frac{I_K}{I_{SC}} = \frac{15}{2} = 7.5 = 6.5$

$a = \frac{V_{sense}}{V_o} = \frac{}{12.8} = 6.5$

$R_A = \frac{a}{1-a} \cdot 10K =$

Intersil Fold back P5-261

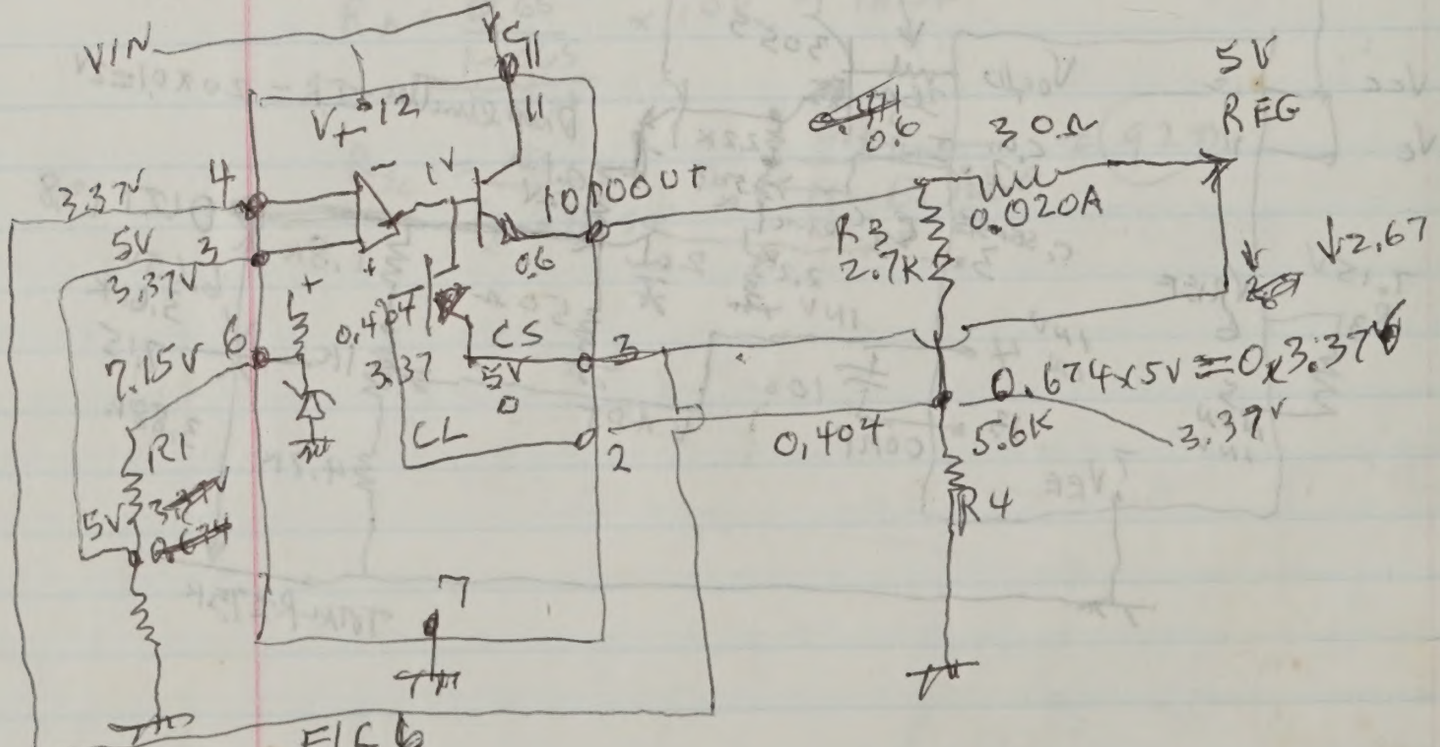
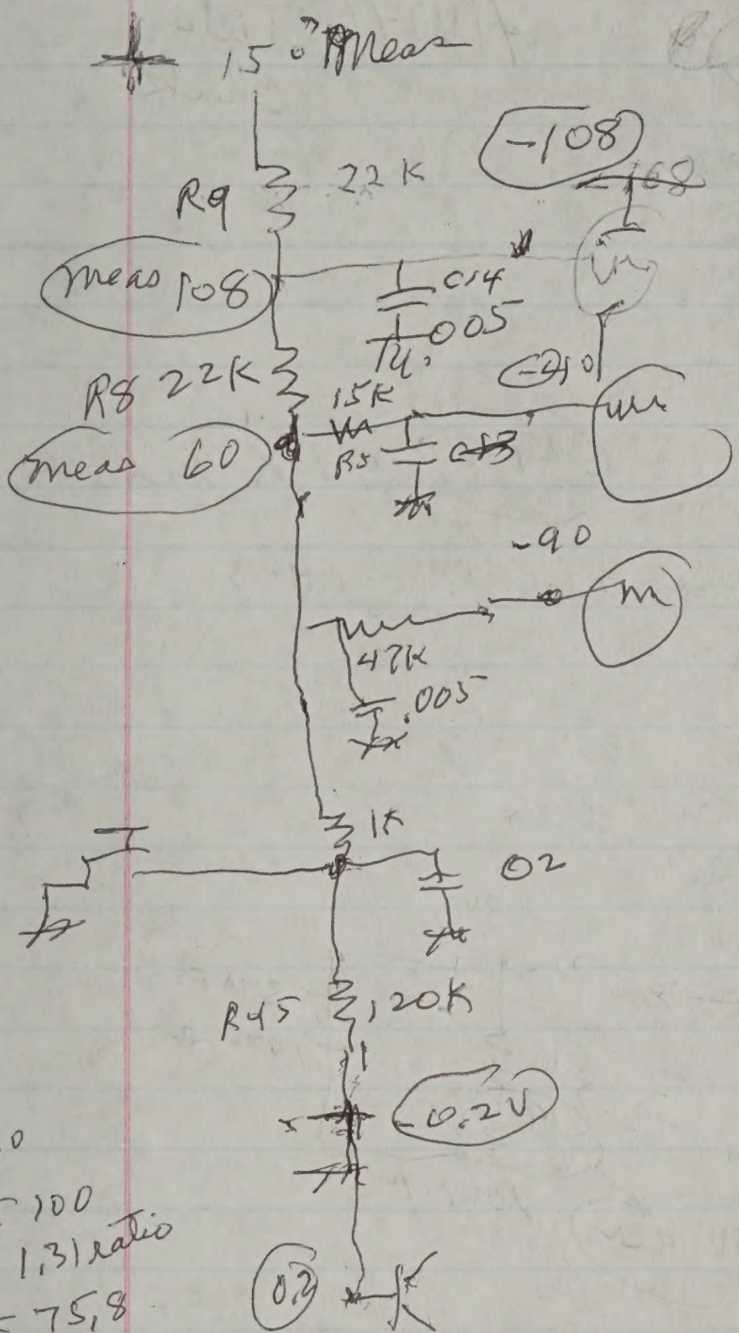
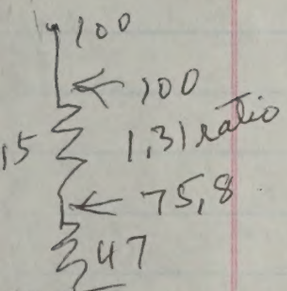


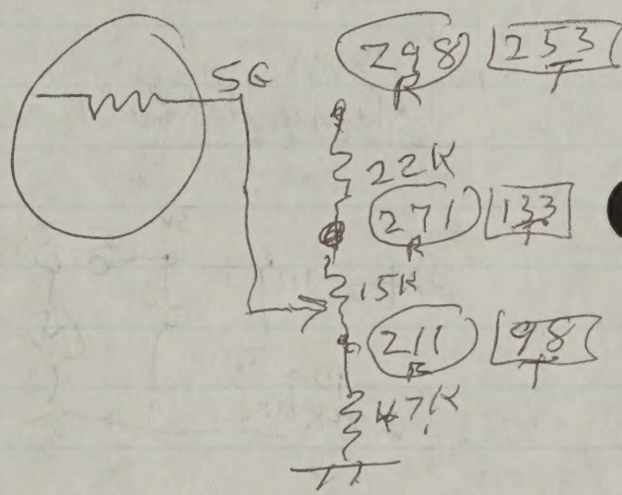
FIG 6
TYP. FOLD BACK

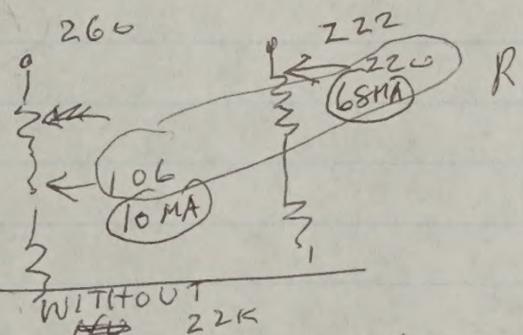
Robin McKay 692-3791
Kids & interesting,



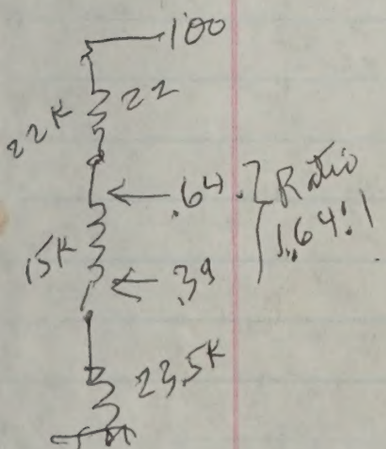


$\frac{(154)^2}{22,000} = \frac{22500}{22000} = 1W$





Range 106-220
2.1:1

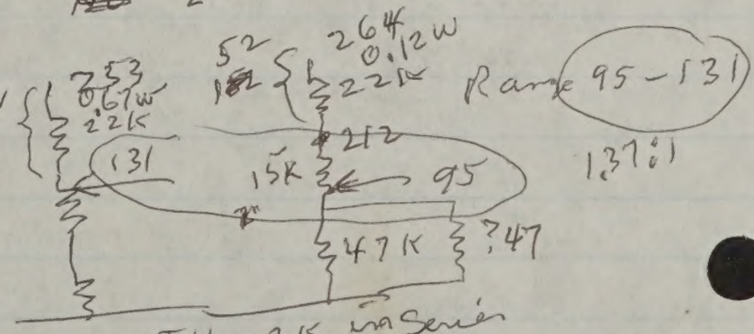


0.67 watts

$P = \frac{E^2}{R} = \frac{(122)^2}{22000}$

0.12W

$P = \frac{E^2}{R} = \frac{(52)^2}{2200}$



Range 95-131
1.37:1

Harry Wills

H/W 46 Tube Check

C6L6 BOTH OK
6EW6 RF OK
1ST MIX 6EA8 1st MIX OK 608 subs.
6EA8 2ND MIX 6K
2ND 6EW6 OK
12AK7 OK
~~6HF8~~
6HF8 ~~AC~~ TUBE USED IS (6LF8) 9DX BASE

6GE5 ~~in~~ ~~a~~ 12BJ Base ; 6GF5 6HB5
Beam Power
12 Pin
18mA
Harry Wills has 4 new tubes